

## CLAIMS

1. A radio channel assignment method for radio communications between a base station and a plurality of radio terminals in the radio zone of said base station, characterized in that the number of channels between each said radio terminal and said base station is changed in response to an amount of communication data therebetween.

2. The radio channel assignment method for radio communication according to claim 1, characterized in that when an amount of communication data is smaller than a preset reference value, one radio channel is assigned, and that when the amount of communication data is larger than a preset reference value, a plurality of adjacent radio channels are assigned.

3. The radio channel assignment method for radio communication according to claim 2, characterized in that when an amount of communication data is larger than a preset reference value, a plurality of available radio channels are assigned.

4. The radio channel assignment method for radio communication according to claim 2, characterized in that a base station sends a radio channel assignment message to a radio terminal to assign a plurality of consecutive available radio channels to said radio terminal.

5. The radio channel assignment method for radio communication according to claim 2, characterized in that a radio terminal sends a radio channel assignment message to a base

station to assign a plurality of consecutive available radio channels to said radio terminal.

6. The radio channel assignment method for radio communication according to claim 1, characterized in that a radio terminal which requires a plurality of consecutive available radio channels assigns another radio terminal which has been assigned the channel which it requires to a different radio channel.

7. The radio channel assignment method for radio communication according to claim 6, characterized in that a base station sends a message to a radio terminal assigned a radio channel which is required by another radio terminal so that the radio terminal to which the channel had been assigned is assigned a different radio channel.

8. The radio channel assignment method for radio communication according to claim 6, characterized in that a radio terminal sends a radio channel assignment request message to a base station, and said base station sends a message to another radio terminal which is assigned a radio channel required by the radio terminal in order to assign a different radio channel to the other radio terminal.

9. The radio channel assignment method for radio communication according to claim 1, characterized in that when a radio terminal is added to a radio channel, the number of radio channels assigned to a certain radio terminal is decreased to make one of them unassigned.

10. The radio channel assignment method for radio communication according to claim 2, characterized in that a radio channel made unassigned by changing the radio channel assignment is assigned to a radio terminal required to carry out communication over a plurality of radio channels.

a 11. The radio channel assignment method for radio communication according to ~~any one of claims 1 to 10,~~ <sup>Claim 1</sup> characterized in that radio channels connected between radio terminals and a base station are frequency division multiple access channels.

a 12. The radio channel assignment method for radio communication according to ~~any one of claims 1 to 10,~~ <sup>Claim 1</sup> characterized in that radio channels between radio terminals and a base station are time division multiple access channels.

13. A radio channel assignment method for radio communication between a base station and a plurality of radio terminals in the radio zone of said base station, characterized in that said base station determines a number of channels to be assigned according to the rate of increase of stored data per unit time.

14. A radio channel assignment method for radio communication between a base station and a plurality of radio terminals in the radio zone of said base station, characterized in that said radio terminals each determine a number of channels to be assigned according to the rate of increase of stored data per unit time.

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